

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VIRAGE.007A	APPLICATION NO. 08/670,836
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Hampapur, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE June 6, 1997	GROUP 2315

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,488,482	01/30/98	Ueda et al.	358	339	
	5,485,611	01/16/98	Astle	395	600	
	5,471,239	11/28/95	Hill et al.	348	155	
	5,459,517	10/17/95	Kunitake et al.	348	418	
	5,404,174	04/04/95	Suganara	348	700	
	5,283,645	02/01/94	Alattar	348	384	
	5,259,040	11/02/93	Hanna	382	41	
	5,245,436	09/14/93	Alattar	358	182	
	5,099,322	03/24/92	Gove	358	105	
	4,390,904	06/28/83	Johnston et al.	358	335	-

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
A	JP 08 079 695 A	22.03.96	Japan (Abstract in English attached)	H04N	005/262	
B	WO 96 05696	22.02.96	PCT with Abstract in English	H04N	5/781	X
C	EP 0 690 413 A2	22.06.95	European Patent Office	G08T	7/20	
D	EP 0 675 496 A2	23.03.95	European Patent Office	G11B	27/028	
E	EP 0 660 327 A2	01.12.94	European Patent Office	G11B	27/28	
F	EP 0 660 249 A1	07.12.94	European Patent Office	G06F	17/30	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
1	Hampapur, Arun, dissertation, University of Michigan, 185 pages, 1995, "Designing Video Data Management Systems."
2	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 4, pp. 112-127. "Image Filtering."
3	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 5, pp. 140-149. "Edge Detection."

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
G	JP 07 079 431 A	20.03.95	Japan (Abstract in English attached)	H04N	7/24		X
H	EP 0 636 994 A1	01.02.95	European Patent Office	G06F	17/30		
I	JP 3 085 076 A	10.04.91	Japan (Title and Synopsis in English, no Abstract Available)	H04N	5/91		X

**EXAMINER  
INITIAL**

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

- 4 Nagasaka, Akio and Yuzura Tanaka, Visual Database Systems, II, pp. 113 - 127, Copyright 1992,

**"Automatic Video Indexing and Full-Video Search for Object Appearances."**

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